

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074650 A2

(51) International Patent Classification: Not classified

San Diego, CA 92122 (US). LITZINGER, David; 13976
Arbolitos Drive, Poway, CA 92064 (US).

(21) International Application Number:
PCT/US2005/003537

(74) Agent: WALLEN, John, W., III; Ambrx, Inc., 10410 Sci-
ence Center Drive, San Diego, CA 92121 (US).

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/541,528 2 February 2004 (02.02.2004) US
60/581,314 18 June 2004 (18.06.2004) US
60/581,175 18 June 2004 (18.06.2004) US
60/580,885 18 June 2004 (18.06.2004) US
60/638,616 22 December 2004 (22.12.2004) US

(71) Applicant (for all designated States except US): AMBRX,
INC. [US/US]; 10410 Science Center Drive, San Diego,
CA 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHO, Ho Sung;
5340 Toscana Way, #415, San Diego, CA 92122 (US).
DANIEL, Thomas; 5951 La Jolla Mesa Drive, San Diego,
CA 92037 (US). DIMARCHI, Richard; 10890 Wilming-
ton Drive, Carmel, IN 46033 (US). HAYS, Anna-Maria;
3187 Via Alicante #251, La Jolla, CA 92037 (US). WIL-
SON, Troy; 575 Old Mill Road, San Marino, CA 91108
(US). SIM, Bee-Cheng; 7564 Charmant Drive, #1827,

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MODIFIED HUMAN FOUR HELICAL BUNDLE POLYPEPTIDES AND THEIR USES

(57) Abstract: Modified human four helical bundle (4HB) polypeptides and uses thereof are provided.

WO 2005/074650 A2